

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	4413058
<b>Application Number:</b>	10821390
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1595
<b>Title of Invention:</b>	Spatial processing with steering matrices for pseudo-random transmit steering in a multi-antenna communication system
<b>First Named Inventor/Applicant Name:</b>	Mark S. Wallace
<b>Customer Number:</b>	23696
<b>Filer:</b>	Ross L. Franks/Gina Golia
<b>Filer Authorized By:</b>	Ross L. Franks
<b>Attorney Docket Number:</b>	040319
<b>Receipt Date:</b>	08-DEC-2008
<b>Filing Date:</b>	09-APR-2004
<b>Time Stamp:</b>	15:27:16
<b>Application Type:</b>	Utility under 35 USC 111(a)

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## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (5B/08)	040319_2008-12-04_IDS_SIGN ED.pdf	2216967 6751762610e9429650999b88b9131810320fac	no	9
<b>Warnings:</b>					
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2	Foreign Reference	RU2111619.pdf	30263 b031c21e67c0b8ce98807db7d95a9efcc98c2	no	1
<b>Warnings:</b>					
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3	Foreign Reference	RU2116698.pdf	28210 2ac251bab6b6b3a81ac375a158207932a180001	no	1
<b>Warnings:</b>					
<b>Information:</b>					
4	Foreign Reference	EP1220506.pdf	1427280 a364e029020980b456adccc838227e664aaf98b	no	21
<b>Warnings:</b>					
<b>Information:</b>					
5	Foreign Reference	EP1396956.pdf	830795 d897d4d2a402cc38e895445a2a8034d16d38e091	no	22
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6	Foreign Reference	WO01076110.pdf	3481565 89514db76a36ca393a58998ca1aa18a2070248c5	no	70
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7	Foreign Reference	WO02078211.pdf	2406857 483e988d200b3847d04b056600007ade75b4c05	no	55
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8	Foreign Reference	WO03015334.pdf	1461188 98b697755b0b3c2e085c70d178c5151d e0ca	no	38
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9	Foreign Reference	WO04038984.pdf	6794931 5b0d4e70b49ac08f20b04b55dbf5164c a02b	no	153
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10	Foreign Reference	WO04038985.pdf	1546035 13435948cc5a431e1314087054c9ab29c2 ecab8	no	37
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11	NPL Documents	040319WO_2005-07-06_ISR.pdf	98032 6866788bc3061280282b0e7246ed4a2b2 b6247	no	3
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12	NPL Documents	040319WO_2005-07-06_WO. pdf	280085 43265d42ae08b1ca9708b1d42ab5518e4 4d46	no	6
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13	NPL Documents	040319WO_2006-10-11_IPRP. pdf	319055 f7e0ee715a8b16434e43cd3e04556d3bec 158b	no	7
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14	NPL Documents	A_Simple_Transmit_Diversity_ Technique_For_Wireless_Communications.pdf	4883845 15c0a6c677841156504c261807eddff842 61ca	no	8
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15	NPL Documents	Smart_Antennas_for_Mobile_Communications_Systems.pdf	922536 f4db186502db79b403d1346b73d4e718c 9a44c	no	11
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16	NPL Documents	Non_reciprocal_transceivers_in_OFDM_SDMA_Systems_Impact_and_Mitigation.pdf	211206 931cd4f49c080529c03837ae1b1c09a6c992 1f10	no	4
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17	NPL Documents	Investigation_of_Front_end_Requirements_for_MIMO_Systems_Using_Downlink_Pre_Distortion.pdf	274041 /0285425c/113849f7/22d25818acdebf	no	5
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18	NPL Documents	Beamforming_Combination_with_space_time_diversity_for_Broadband_OFDM_System.pdf	694740 /d1f8ec524de7a2787a1b0ec9eb4366c3b39	no	8
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19	NPL Documents	A_Mimo_System_with_Reciprocal_Transceivers_for_the_Time-Division_Duplex_Mode.pdf	186858 c31ef5e4e4b8e84678608911284552c85186	no	4
<b>Warnings:</b>					
<b>Information:</b>					
20	NPL Documents	Spatial_Transmit_Diversity_Techniques_Broadband_pp1824_1828.pdf	430853 0ee5d46baa1812a19a076f765d8037a7e3e2a	no	5
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21	Fee Worksheet (PTO-06)	fee-info.pdf	30102 a9e1a26ab0b0ab25e9f136dc131f1bb75d427f	no	2
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<b>Total Files Size (in bytes):</b>			28555444		

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#### **New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### **National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### **New International Application Filed with the USPTO as a Receiving Office**

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